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ABSTRACT OF THE DISCLOSURE

An invention is provided whereby methods and compositions having angiostatic activity are utilized to treat angioproliferative disorders, to prevent conception, and to treat a wide variety of pathologies in which it is desirable to limit the production of new vasculature.

Specifically, compositions containing proteinases derived from the pathogen

Porphyromonas gingivalis capable of treating cancer through disruption of cell-cell and cell-matrix adhesion bonds associated with malignant tumor proliferation are disclosed.